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Niumah au	LUA	Consult Tout	0 /	
L Number	Hits	Search Text	DB/	Time stamp
. ė	960	(251/333).CCLS.	USPAT;	2004/07/18 08:43
,	1405	251/222 120 02 120 14 pala	US-PGPUB	00004440=4444
-	1405	251/333,129.02,129.14.ccls.	USPAT;	2002/11/07 11:44
	149	137/315 03 315 37 ools	US-PGPUB	2000/44/07 44 44
	149	137/315.03,315.27.ccls.	USPAT;	2002/11/07 11:44
_	1540	251/333,129.02,129.14.ccls. or 137/315.03,315.27.ccls.	US-PGPUB	0000044/0744
_	1540	2517355, 129.02, 129.14.00IS. 01 1377315.03,315.27.00IS.	USPAT;	2002/11/07 11:44
_	0	Raymundo and Cano	US-PGPUB	2002/00/00 00:00
	, ,	Traymondo and Cano	USPAT;	2003/08/08 08:20
			US-PGPUB;	
			EPO; JPO;	
_	4120	delphi.asn.	DERWENT	2002/14/07 14:47
	7120	deiphilash.	USPAT; US-PGPUB;	2002/11/07 11:47
	ļ			
			EPO; JPO; DERWENT	
_	27	delphi.asn. and ball near3 valve		2004/04/00 00:00
		delphilash. and ball flears valve	USPAT;	2004/04/26 06:08
			US-PGPUB;	
			EPO; JPO;	
_	6	valve near footprint	DERWENT	0000/00/00 40 04
_	0	valve near tootprint	USPAT;	2003/08/29 10:01
			US-PGPUB;	
			EPO; JPO;	1
	26	valve near3 footprint	DERWENT	0000444074450
_	20	valve nears rootprint	USPAT;	2002/11/07 11:50
			US-PGPUB;	
			EPO; JPO;	
_	164	(251/222 120 02 120 14 colo en 127/245 02 245 07)	DERWENT	
-	104		USPAT;	2002/11/07 11:52
		(ball or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft)	US-PGPUB	
_	6343	(hall or ephorical or truppated page? aphore as anharaidal)	HODAT	0000444074074
-	0545	(ball or spherical or truncated near2 sphere or spheroidal) same	USPAT;	2002/11/07 12:54
		(mount or rod or stem or pin or shaft) and (137/\$.ccls. or 251/\$.ccls.)	US-PGPUB	
_	56		LICDAT	00001441074450
	30	spheroidal) same (mount or rod or stem or pin or shaft) and	USPAT;	2002/11/07 11:56
		(137/\$.ccls. or 251/\$.ccls.))	US-PGPUB	
_	2933	303/113.1-119.3.ccls.	LIODAT	00004440744
114	2000	300/110.1-110.0.0019.	USPAT;	2002/11/07 11:56
_	57	303/113.1-119.3.ccls. and ((ball or spherical or truncated near2	US-PGPUB USPAT:	000044074004
	0.	sphere or spheroidal) same (mount or rod or stem or pin or shaft)		2002/11/07 12:01
		and (137/\$.ccis. or 251/\$.ccis.))	US-PGPUB	
_	892	(ball or spherical or truncated near2 sphere or spheroidal) same	LICDATA	2002/44/07 40 55
	002	(mount or rod or stem or pin or shaft) same truncated	USPAT;	2002/11/07 12:03
	153514	(137/\$.ccls. or 251/\$.ccls.)	US-PGPUB	2002/44/07 40:04
		(USPAT; US-PGPUB	2002/11/07 12:04
-	70	((137/\$.ccls. or 251/\$.ccls.)) and ((ball or spherical or truncated	USPAT;	2002/11/07 12:04
		near2 sphere or spheroidal) same (mount or rod or stem or pin or	US-PGPUB	2002/11/07 12:04
		shaft) same truncated)	03-76708	
-	16936	(ball or rounded adj face or partially adj round\$3 or spherical or	USPAT;	2002/44/07 40-00
		truncated near2 sphere or spheroidal) same (mount or rod or	US-PGPUB	2002/11/07 13:02
	1	stem or pin or shaft) same valve	UU-FUFUB	
-	11	((ball or rounded adj face or partially adj round\$3 or spherical or	USPAT;	2002/11/07 12:20
		truncated near2 sphere or spheroidal) same (mount or rod or	US-PGPUB	2002/11/07 12:26
		stem or pin or shaft) same valve) and 137/315.03,315.27.ccls.	JO-I GFUB	
-	134	((ball or rounded adj face or partially adj round\$3 or spherical or	USPAT;	2002/11/07 12:27
		truncated near2 sphere or spheroidal) same (mount or rod or	US-PGPUB	2002/11/01 12.21
		stem or pin or shaft) same valve) and	35 . 3. 00	
		251/333,129.02,129.14.ccls.		
-	8368	((ball or rounded adj face or partially adj round\$3 or spherical or	USPAT;	2004/07/18 11:11
1		truncated near2 sphere or spheroidal) same (mount or rod or	US-PGPUB	2007/01/10 11.11
		stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or	J . J . J . J . J . J . J . J . J . J .	
		attach\$5 or connected or connection)	Ì	
			i	l l
-	98	137/315.27.ccls.	USPAT;	2002/11/07 12:35

3441 285 113	((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection) near3 (stem or pin or shaft or rod) ((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection) near3 (stem or pin or shaft or rod) same (bore or recess or hole) near3 (stem or pin or shaft or rod) (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection) near3 (stem or pin or shaft)	USPAT; US-PGPUB USPAT; US-PGPUB USPAT; US-PGPUB	2002/11/07 12:44 2002/11/07 12:41 2002/11/07 12:42
113	or rod) ((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection) near3 (stem or pin or shaft or rod) same (bore or recess or hole) near3 (stem or pin or shaft or rod) (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection) near3 (stem or pin or shaft)	US-PGPUB	
113	((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection) near3 (stem or pin or shaft or rod) same (bore or recess or hole) near3 (stem or pin or shaft or rod) (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection) near3 (stem or pin or shaft)	US-PGPUB	
	attach\$5 or connected or connection) near3 (stem or pin or shaft or rod) same (bore or recess or hole) near3 (stem or pin or shaft or rod) (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection) near3 (stem or pin or shaft)		2002/11/07 12:42
	(((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection) near3 (stem or pin or shaft)		2002/11/07 12:42
1258	attach\$5 or connected or connection) near3 (stem or pin or shaft	1	2002/11/01 12,42
1258	or rod) same (bore or recess or hole) near3 (stem or pin or shaft or rod)) and ((137/\$.ccls. or 251/\$.ccls.))		
,	(((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or	USPAT; US-PGPUB	2002/11/07 12:45
	or rod)) and ((137/\$ ccls or 251/\$ ccls))		
1271	137/15.22,533.11,519.5,901,247.21,864,879.ccls.	USPAT; US-PGPUB	2002/11/07 12:46
7385	251/129.01-129.22,315.16,315.1-317.01.ccls.		2002/11/07 12:50
8604	137/15.22,533.11,519.5,901,247.21,864,879.ccls. or 251/129.01-129.22,315.16,315.1-317.01.ccls.	USPAT; US-PGPUB	2002/11/07 12:50
1761	251/129.01-129.22,315.16,315.1-317.01.ccls. and (((ball or	USPAT; US-PGPUB	2002/11/07 12:51
	near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or		
578	(137/15.22,533.11,519.5,901,247.21,864,879.ccls. or 251/129.01-129.22,315.16,315.1-317.01.ccls. and (((ball or	USPAT; US-PGPUB	2002/11/07 13:09
	near2 sphere or spheroidal) same (mount or rod or stem or pin or		
	connected or connection))) and (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same		-
48	connection))	IISDAT:	2002/11/07 12:53
00		US-PGPUB	2002/11/07 12.55
		USPAT; US-PGPUB	2002/11/07 12:54
71	truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve same (ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or	USPAT; US-PGPUB	2002/11/07 13:05
4	(((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or	USPAT; US-PGPUB	2002/11/07 13:09
58	(((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or	USPAT; US-PGPUB	2002/11/07 13:10
	251/333,129.02,129.14.ccls.	USPAT; US-PGPUB;	2003/02/06 10:15
	7385 8604 1761 578 48 28 47	 251/129.01-129.22,315.16,315.1-317.01.ccls. 137/15.22,533.11,519.5,901,247.21,864,879.ccls. or 251/129.01-129.22,315.16,315.1-317.01.ccls. 137/15.22,533.11,519.5,901,247.21,864,879.ccls. or 251/129.01-129.22,315.16,315.1-317.01.ccls. and (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection)) (137/15.22,533.11,519.5,901,247.21,864,879.ccls. or 251/129.01-129.22,315.16,315.1-317.01.ccls. and (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection)) and (((ball or rounded adj face or partially adj round\$3 or spherical or spheroidal) same (mount or rod or stem or pin or shaft) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection)) 188/282.7.ccls. spheroidal near3 valve ((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve same (ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) adj4 (pressfit\$5 or snapfit or snap\$6) (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection)) and 137/315.03.ccls. (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection)) and 137/315.03.ccls. (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sp	or rod)) and ((137/\$ccls. or 251/\$ccls.)) 137/15.22,533.11,519.5,901,247.21,864,879.ccls. 251/129.01-129.22,315.16,315.1-317.01.ccls. 137/15.22,533.11,519.5,901,247.21,864,879.ccls. or 251/129.01-129.22,315.16,315.1-317.01.ccls. 137/15.22,533.11,519.5,901,247.21,864,879.ccls. or 251/129.01-129.22,315.16,315.1-317.01.ccls. and (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection)) 137/15.22,533.11,519.5,901,247.21,864,879.ccls. or 251/129.01-129.22,315.16,315.1-317.01.ccls. and (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection))) and (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection)) 188/282.7.ccls. 28 spheroidal near3 valve (ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection)) and 137/315.03.ccls. (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4 or attach\$5 or connected or connection)) and 137/315.03.ccls. (((ball or rounded adj face or partially adj round\$3 or spherical or truncated near2 sphere or spheroidal) same (mount or rod or stem or pin or shaft) same valve) same (pressfit\$4 or fasten\$4

-	0	saenz.in. and cano.in.	USPAT; US-PGPUB;	2003/02/06 10:15
			EPO; JPO;	
_	33	delphi.asn. and ball near3 valve	DERWENT USPAT;	2003/02/06 10:19
		asiphilash, and buil ficults valve	US-PGPUB;	2003/02/00 10.19
1	İ		EPO; JPO;	
		MEG 40000N L NEG 40 40 N L NEG 40 A M L NEG	DERWENT	
-	11	("5012982" "5048497" "5336320" "5391407" "5585176" "5688557" "5731045" "5783261" "5837357" "6062498"	USPAT	2003/02/06 10:17
		3000337 3731045 3783261" 3837357" 6062498"		
-	12683	(hemispher\$5 or sphere or spherical or ball) near3 valve same	USPAT:	2003/02/06 10:28
		(stem or pin or rod or shaft)	US-PGPUB;	
			EPO; JPO;	
_	0	((hemispher\$5 or sphere or spherical or ball) near3 valve same	DERWENT	2002/02/06 40:27
		(stem or pin or rod or shaft)) same strengthen\$4 near3	USPAT; US-PGPUB;	2003/02/06 10:27
		(connector or connection or attach\$4 or attach\$5)	EPO; JPO;	
	10	//h	DERWENT	
-	19	((hemispher\$5 or sphere or spherical or ball) near3 valve same (stem or pin or rod or shaft)) same strengthen\$4	USPAT;	2003/02/06 10:27
		(stem or pin or rod or shart)) same strengthen 4	US-PGPUB; EPO; JPO;	
			DERWENT	
-	2727	((hemispher\$5 or sphere or spherical or ball) near3 valve same	USPAT;	2003/02/06 10:28
		(stem or pin or rod or shaft)) same (connector or connection or attach\$4 or attach\$5)	US-PGPUB;	
		attachips of attachips)	EPO; JPO; DERWENT	
-	707	(hemispher\$5 or sphere or spherical or ball) near3 (stem or pin	USPAT;	2003/02/06 10:32
		or rod or shaft) same (connector or connection or attach\$4 or	US-PGPUB;	
		attach\$5) same valve near3 (hemispher\$5 or sphere or spherical or ball)	EPO; JPO;	
-	707	(hemispher\$5 or sphere or spherical or ball) near3 (stem or pin	DERWENT USPAT;	2003/02/06 11:21
		or rod or shaft) same (connector or connection or attach\$4 or	US-PGPUB;	2003/02/00 11.21
		attach\$5) same valve near3 (hemispher\$5 or sphere or spherical	EPO; JPO;	
		or ball) same (hemispher\$5 or sphere or spherical or ball) near5 valve	DERWENT	
_	16	(round) near3 (stem or pin or rod or shaft) same (connector or	USPAT;	2003/02/06 11:23
		connection or attach\$4 or attach\$5) same valve near3 (round)	US-PGPUB;	2000/02/00 11:23
		same (round) near5 valve	EPO; JPO;	
-	0	6378842.URPN.	DERWENT USPAT	2002/02/06 44.40
-	20	("2885179" "3379408" "3479006" "3514076" "3576309"	USPAT	2003/02/06 11:48 2003/02/06 11:48
		"3997142" "4137935" "4193578" "4256285" "4257576"	33.71	2000/02/00 11.40
		"4519579" "4697786" "4822000" "4911413" "5016857"		
_	1	"5170992" "5588638" "5618026" "5755427" "5820103").PN. 1983-704224.NRAN.	DEDWENT	2002/00/00 44.57
-	1	"20030067217"	DERWENT USPAT;	2003/02/06 11:57 2003/04/16 08:47
		H0000000000000000000000000000000000000	US-PGPUB	2000,047 10 00.47
-	1	"20030067217" and joint	USPAT;	2003/04/16 08:48
-	2639	(shaft or rod) near4 (ball or sphere or spherical or cone) same	US-PGPUB USPAT;	2002/04/46 40:05
		(ball or sphere or spherical or cone) near3 valve	US-PGPUB;	2003/04/16 10:05
		·	EPO; JPO;	
_	3	(shaft or rod) near4 (ball or sphere or spherical or cone) same	DERWENT	000010 1110 55 55
		(joint or connection) near4 strengthen\$4 same (ball or sphere or	USPAT; US-PGPUB;	2003/04/16 09:26
		spherical or cone) near3 valve	EPO; JPO;	
		/#6267774#\) DNI	DERWENT	
-	1	("6367774").PN.	USPAT;	2003/04/16 09:26
_	1	("6322050").PN.	US-PGPUB USPAT;	2003/04/16 09:31
		·	US-PGPUB	2003/04/10 08.31
-	25	("3948533" "3949965" "4161187" "4346730" "4662392"	USPAT	2003/04/16 09:27
		"4719074" "4722825" "4771803" "4795133" "4810585" "4815704" "4834042" "4871621" "4932432" "4936546"		
		"5015609" "5183068" "5297580" "5365661" "5386967"		
		"5566923" "5906354" "5977487" "5979873" "6178638").PN.		

. •	25	("3948533" "3949965" "4161187" "4346730" "4662392" "4719074" "4722825" "4771803" "4795133" "4810585" "4815704" "4834042" "4871621" "4932432" "4936546"	USPAT	2003/04/16 09:29
		"5015609" "5183068" "5297580" "5365661" "5386967" "5566923" "5906354" "5977487" "5979873" "6178638").PN.		
-	191	(251/315.16).CCLS.	USPAT; US-PGPUB	2003/04/16 09:31
-	12	((shaft or rod) near4 (ball or sphere or spherical or cone) same (ball or sphere or spherical or cone) near3 valve) and 403/\$.ccls.	USPAT; US-PGPUB; EPO; JPO;	2003/04/16 09:33
-	1044	(shaft or rod) near4 (ball or sphere or spherical) and 403/\$.ccls.	DERWENT USPAT; US-PGPUB; EPO; JPO;	2003/04/16 09:35
_	205	((shaft or rod) near4 (ball or sphere or spherical) same (attach\$4	DERWENT USPAT;	2003/04/16 09:37
	210	or affix or fasten or strengthen\$3) and 403/\$.ccls.)	US-PGPUB	
-	210	(shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) and 403/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 09:42
-	7	(shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) same valve and 403/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 09:46
-	502	((shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) and 403/\$.ccls.) or ((shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) same valve near4 (ball or sphere or	USPAT; US-PGPUB; EPO; JPO;	2003/04/16 09:48
	040	spherical))	DERWENT	
-	210	(((shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) and 403/\$.ccls.) or ((shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) same valve near4 (ball or sphere or spherical))) and 403/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 09:49
-	295	(shaft or rod) near4 (ball or sphere or spherical) same (attach\$4 or affix or fasten or strengthen\$3) same valve near4 (ball or sphere or spherical)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 09:53
-	2378	(shaft or rod) near4 (ball or sphere or spherical) same (ball or sphere or spherical) near3 valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 10:06
-	40094	(ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 10:11
-	40	((shaft or rod) near4 (ball or sphere or spherical) same (ball or sphere or spherical) near3 valve) same ((ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint))	USPAT; US-PGPUB	2003/04/16 10:08
-	14320	(ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint) same (rod or shaft or stem)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 10:18
-	923	((ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint) same (rod or shaft or stem)) same valve	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 10:14
_	8	(((ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint) same (rod or shaft or stem)) same valve) and 403/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 10:17
-	14	(((ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint) same (rod or shaft or stem)) same valve) and 303/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/04/16 10:18

	88	(((ball or sphere or spherical) near4 (notch or v adj shaped or v adj shape or midsection or joint) same (rod or shaft or stem)) same valve) and 251/\$.ccls.	USPAT; US-PGPUB	2003/04/16 10:21
-	125	(rod near3 ball) adj3 connection	USPAT; US-PGPUB	2003/04/16 10:25
-	97	(shaft near3 ball) adj3 connection	USPAT;	2003/04/16 10:22
-	548	(shaft near3 ball) adj3 joint	US-PGPUB USPAT; US-PGPUB	2003/04/16 10:23
-	28	((shaft near3 ball) adj3 joint) same valve	USPAT; US-PGPUB	2003/04/16 10:23
-	15	((shaft near3 ball) adj3 connection) same valve	USPAT; US-PGPUB	2003/04/16 10:23
-	10	((rod near3 ball) adj3 connection) same valve	USPAT; US-PGPUB	2003/08/08 09:31
-	53	(((shaft near3 ball) adj3 joint) same valve) or (((shaft near3 ball) adj3 connection) same valve) or (((rod near3 ball) adj3 connection) same valve)	USPAT; US-PGPUB	2003/04/16 10:23
-	1747	((rod or stem or shaft) near3 (truncated or sphere or spherical or ball)) near8 (affix or affixed or attachment or attach or fastener or connector or connection)	USPAT; US-PGPUB	2003/04/16 10:29
-	1484	((rod or stem or shaft) near3 (truncated or sphere or hemisphere or hemispherical or ball)) near8 (affix or affixed or attachment or	USPAT; US-PGPUB	2003/04/16 10:38
-	176	attach or fastener or connector or connection) (((rod or stem or shaft) near3 (truncated or sphere or hemisphere or hemispherical or ball)) near8 (affix or affixed or attachment or	USPAT; US-PGPUB	2003/04/16 10:32
-	133	attach or fastener or connector or connection)) same valve (((rod or stem or shaft) near3 (truncated or sphere or hemisphere or hemispherical or ball)) near8 (affix or affixed or attachment or attach or fastener or connector or connection)) same valve near8	USPAT; US-PGPUB	2003/04/16 10:38
-	141	(truncated or sphere or hemisphere or hemispherical or ball) ((rod or stem or shaft) near3 (truncated or sphere or hemisphere or hemispherical or ball)) near8 (affix or affixed or attachment or attach or fastener or connector or connection) same valve near8	USOCR	2003/04/16 10:40
-	611	(truncated or sphere or hemisphere or hemispherical or ball) 303/dig\$.ccls.	USPAT;	2003/04/16 13:04
-	27	303/dig\$.ccls. and pressure adj gradient	US-PGPUB USPAT;	2003/04/16 13:05
-	О	303/dig\$.ccls. and pressure adj gradient same leak	US-PGPUB USPAT;	2003/04/16 13:05
-	238	pressure adj gradient same leak	US-PGPUB USPAT;	2003/04/16 13:05
-	268	pressure near4 gradient same leak	US-PGPUB USPAT; US-PGPUB	2003/04/16 13:08
-	4	pressure near4 gradient same leak same brak\$4	USPAT; US-PGPUB	2003/04/16 13:10
-	15	(pressure near4 gradient same leak) and brak\$4	USPAT; US-PGPUB	2003/04/16 13:08
	4	pressure near4 gradient same leak same brak\$4	USPAT; US-PGPUB;	2003/04/16 13:10
	400		EPO; JPO; DERWENT; IBM_TDB	
-	138	pressure near4 (change or fluctuation or variariation or drop) same leak same brak\$4	USPAT; US-PGPUB	2003/04/16 13:15
-	128	(brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) and 303/dig\$.ccls.	USPAT; US-PGPUB	2003/04/16 13:17
_	2 2	(brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) same (leak or leakage) and 303/dig\$.ccls.	USPAT; US-PGPUB	2003/04/16 13:19
	0	(brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) same (leak or leakage) and 701/\$.ccls.	USPAT; US-PGPUB	2003/04/16 13:18
_	0	(brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) same (leak or leakage) and 702/\$.ccls.	USPAT; US-PGPUB	2003/04/16 13:19
_	2	(brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) same (leak or leakage) same model (brak\$4 adj2 pressure) near4 (change or fluctuation or variation	USPAT; US-PGPUB	2003/04/16 13:19
C		or drop or gradient) same (leak or leakage) and 73/\$.ccls. 12:16:05 PM Page 5	USPAT; US-PGPUB	2003/04/16 13:19

ļ - .	6	((brak\$4 adj2 pressure) near4 (change or fluctuation or variation	USPAT;	2003/04/16 13:19
		or drop or gradient) same (leak or leakage) and 303/dig\$.ccls.)	US-PGPUB	
1		or ((brak\$4 adj2 pressure) near4 (change or fluctuation or		
		variation or drop or gradient) same (leak or leakage) and		
		701/\$.ccls.) or ((brak\$4 adj2 pressure) near4 (change or fluctuation or variation or drop or gradient) same (leak or leakage)		0
		and 73/\$.ccls.)		
l <u>-</u>	30		USPAT;	2003/04/16 13:23
		or drop or gradient) same (leak or leakage) and 303/\$.ccls.	US-PGPUB	2003/04/10 13.23
_	0	6450591.URPN.	USPAT	2003/04/16 13:21
l	6	("5567021" "5779327" "5951120" "5979997" "5997106"	USPAT	2003/04/16 13:21
		"6007164").PN.		
-	1	(brak\$4 adj2 pressure) near4 (change or fluctuation or variation	USPAT;	2003/04/16 13:24
		or drop or gradient) same (leak or leakage) same transducer	US-PGPUB	
-	255	absolute adj4 pressure same brak\$4	USPAT;	2003/04/16 13:35
	18	absolute adid pressure come bushful according	US-PGPUB	000000000000000000000000000000000000000
-	10	absolute adj4 pressure same brak\$4 same gradient	USPAT;	2003/04/16 13:32
_	1	integral adj4 pressure same brak\$4 same gradient	US-PGPUB USPAT:	2002/04/46 42:22
	'	integral adjy pressure same brakyy same gradient	US-PGPUB	2003/04/16 13:32
_	5	derivative adj4 pressure same brak\$4 same gradient	USPAT;	2003/04/16 13:33
		Stand Stand Stand Stand Stand Stand	US-PGPUB	2000/04/10 13:33
-	92	absolute adj4 pressure same brak\$4 and 303/\$.ccls.	USPAT;	2003/04/16 13:35
			US-PGPUB	
-	2	absolute adj4 pressure same brak\$4 same (leak\$4 or loss) and	USPAT;	2003/04/16 13:36
	_	303/\$.ccls.	US-PGPUB	
-	8	valve near footprint	USPAT;	2003/06/02 11:04
			US-PGPUB;	
			EPO; JPO;	
_	1	(US-20030067217-\$).did.	DERWENT	0000/00/00 44.00
_	l ö	((US-20030067217-\$).did.) and anled adj surface	US-PGPUB US-PGPUB	2003/06/02 11:03 2003/06/02 11:03
_	Ō	((US-20030067217-\$).did.) and angled adj surface	US-PGPUB	2003/06/02 11:03
-	0	((US-20030067217-\$).did.) and angled adj2 surface	US-PGPUB	2003/06/02 11:03
-	1	((US-20030067217-\$).did.) and angled	US-PGPUB	2003/06/02 11:03
-	1	((US-20030067217-\$).did.) and angled	US-PGPUB	2003/06/02 11:04
-	1	((US-20030067217-\$).did.) and angled	US-PGPUB	2003/06/02 11:04
-	0	valve near footprint and delphi.asn.	USPAT;	2003/06/02 11:05
			US-PGPUB;	
			EPO; JPO;	
_	0	valve near3 footprint and delphi,asn.	DERWENT USPAT;	2002/06/02 44-05
		varvo riodio rootprint and delprinasiri.	US-PGPUB;	2003/06/02 11:05
			EPO; JPO;	
			DERWENT	
-	0	valve near4 footprint and delphi.asn.	USPAT;	2003/06/02 11:06
,			US-PGPUB;	
			EPO; JPO;	
		valva maar fa sturint	DERWENT	
-	8	valve near footprint	USPAT;	2003/06/02 11:06
			US-PGPUB;	
			EPO; JPO;	
_	o	valve near footprint same angled	DERWENT USPAT;	2003/06/02 11:07
		The second string strin	US-PGPUB;	2003/00/02 11:07
			EPO; JPO;	
		·	DERWENT	
-	3	valve near footprint and angled	USPAT;	2003/06/02 11:07
			US-PGPUB;	
			EPO; JPO;	
_	1	("65/3701"\ DN	DERWENT	
	† '	("6543791").PN.	USPAT;	2003/06/03 05:12
_	o	Raymundo.in. and Cano.in. and delphi.asn.	US-PGPUB	2002/00/00 22 24
]	raymanasını ana banbını. ana delpili.asti.	USPAT; US-PGPUB;	2003/08/08 08:21
			EPO; JPO;	
			DERWENT	
				<u></u>

1 Saenz.in. and cano.in. and delphi.asn. USPAT; USPAT; USPAGE EPO; JPO; DERWENT USPAT; USPAGE USPAT;					
Sacenz.in. and cano.in. Sacenz.in. Sac		0	saenz.in. and cano.in. and delphi.asn.	USPAT;	2003/08/08 08:22
1 1 1 203/08/29 10:12 1 203/08/29 10:22 203/08/29 10:24 203/08/29 10:24 203/08/29 10:25 203/08/29 10:35 203/08/29 10				US-PGPUB;	
1	1			EPO; JPO;	
- 355 (rod or shaft or stem) near3 ball same connection same valve (grod or shaft or stem) near3 ball same connection same valve) and 303/\$.ccts. (grod or shaft or stem) near3 ball same connection same valve) and 303/\$.ccts. (grod or shaft or stem) near3 ball same connection same valve) and 251/\$.ccts. (grod or shaft or stem) near3 ball same connection same valve) and 251/\$.ccts. (grod or shaft or stem) near3 ball same connection same valve) and 251/\$.ccts. (grod or shaft or stem) near3 ball same connection same valve) and 251/\$.ccts. (grod or shaft or stem) near3 ball same connection same valve) and 137/\$.ccts. (grod or shaft or stem) near3 ball same connection same valve) valve near6 footprint (grod or shaft or stem) near3 ball same connection same valve) valve same ball same joint (grod or shaft or stem) page (grod or shaft or stem) near3 ball same connection same valve) valve same ball same joint (grod or plunger) (grod or shaft or stem) page (grod or spafe or or spherical or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or spherical or ball) same (shaft or rod or plunger) near4 (spher\$6 or spherical or ball) same (shaft or rod or plunger) near4 (spher\$6 or spherical or ball) same (shaft or rod or plunger) near4 (spher\$6 or spherical or ball) same (shaft or rod or plunger) near4 (spher\$6 or spherical or ball) same (shaft or rod or plunger) near4 (spher\$6 or spherical or ball) same (shaft or rod or plunger) near4 (spher\$6 or plunger) near4 (spher\$6 or pl				DERWENT	
13 13 13 13 13 14 14 15 15 15 15 15 15	-	1	saenz.in. and cano.in.	USPAT;	2003/08/08 08:22
355 (rod or shaft or stem) near3 ball same connection same valve 137 138 ((rod or shaft or stem) near3 ball same connection same valve) and 303/5.ccls. ((rod or shaft or stem) near3 ball same connection same valve) and 251/5.ccls. ((rod or shaft or stem) near3 ball same connection same valve) and 251/5.ccls. ((rod or shaft or stem) near3 ball same connection same valve) and 251/5.ccls. ((rod or shaft or stem) near3 ball same connection same valve) and 239/5.ccls. ((rod or shaft or stem) near3 ball same connection same valve) and 239/5.ccls. ((rod or shaft or stem) near3 ball same connection same valve) and 137/5.cdls. ((rod or shaft or stem) near3 ball same connection same valve) and 137/5.cdls. ((rod or shaft or stem) near3 ball same connection same valve) and 137/5.cdls. ((rod or shaft or stem) near3 ball same connection same valve) and 137/5.cdls. ((rod or shaft or stem) near3 ball same connection same valve) and 137/5.cdls. ((rod or shaft or stem) near3 ball same connection same valve) and 137/5.cdls. ((rod or shaft or stem) near3 ball same connection same valve) and 137/5.cdls. ((rod or shaft or stem) near3 ball same connection same valve) and 137/5.cdls. ((rod or shaft or stem) near3 ball same connection same valve) and 137/5.cdls. ((rod or shaft or stem) near3 ball same connection same valve) and 137/5.cdls. ((rod or shaft or stem) near3 ball same connection same valve) and 137/5.cdls. ((rod or shaft or stem) near3 ball same connection same valve) and 137/5.cdls. ((rod or shaft or stem) near3 ball same connection same valve) and 137/5.cdls. ((rod or shaft or stem) near3 ball same point same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or angled or taper4 or cylindrical or truncat45) (rod or				US-PGPUB;	İ
355				EPO; JPO;	
13 ((rod or shaft or stem) near3 ball same connection same valve) and 303/5.ccls. ((rod or shaft or stem) near3 ball same connection same valve) and 251/5.ccls. (2003/08/08 09:33 251/5.ccls. (1)				DERWENT	
13	-	355	(rod or shaft or stem) near3 ball same connection same valve	USPAT;	2003/08/08 09:32
and 303/8,ccls. 123 123 123 123 125 135 136 137 137 136 137 136 137 136 137 136 137 136 137 136 137 136 137 137 136 137		_			
123 ((rod or shaft or stem) near3 ball same connection same valve) 15	-	13			2003/08/08 09:33
and 251/\$.ccls. 15 (dor shaft or slem) near3 ball same connection same valve) and 259/\$.ccls. 16 (dor shaft or slem) near3 ball same connection same valve) and 137/\$.ccls. 2003/08/08 09:34 2003/08/29 10:14 2003/08/29 10:14 2003/08/29 10:15 2003					
15 ((vod or shaft or stem) near3 ball same connection same valve) and 239/\$.cois. ((rod or shaft or stem) near3 ball same connection same valve) and 137/\$.cois. ((rod or shaft or stem) near3 ball same connection same valve) and 137/\$.cois. valve near footprint USPAT; USPACPUB; EPO; JPO; DERWENT USPAT; U	-	123			2003/08/08 09:33
and 239/\$.ccls. 94 (food is shaft or slem) near3 ball same connection same valve) and 137/\$.ccls. valve near footprint 2557 valve same ball same joint 1028 valve same ball same joint same (shaft or rod or plunger) 1028 valve same ball same joint same (shaft or rod or plunger) 1028 valve same ball same joint same (shaft or rod or plunger) 1028 valve same ball same joint same (shaft or rod or plunger) 1028 valve same ball same joint same (shaft or rod or plunger) 1028 valve same ball same joint same (shaft or rod or plunger) 1028 valve same ball same joint same (shaft or rod or plunger) 1029 valve same ball same joint same (shaft or rod or plunger) 1029 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) 1203/08/29 10:15 1203/08/29 10:15 1203/08/29 10:15 1203/08/29 10:16		4.5			
1028 All	-	15			2003/08/08 09:34
and 137/8,cds. valve near footprint valve near footprint valve near footprint valve same ball same joint me (shaft or rod or plunger) valve same ball same joint same (shaft or rod or plunger) valve same ball same joint same (shaft or rod or plunger) valve same ball same joint same (shaft or rod or plunger) valve near4 (spher\$6 or ball) same (shaft or rod or plunger) valve near4 (spher\$6 or ball) same (shaft or rod or plunger) valve near4 (spher\$6 or ball) same (shaft or rod or plunger) valve near4 (spher\$6 or ball) same (shaft or rod or plunger) valve near4 (spher\$6 or ball) same (shaft or rod or plunger) valve near4 (spher\$6 or ball) same (shaft or rod or plunger) valve near4 (spher\$6 or ball) same (spher\$6 or ball) valve near4 (spher\$6 or ball) same (spher\$6 or ball) valve near4 (spher\$6 or ball) same (spher\$6 or ball) valve near4 (spher\$6 or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or ball) valve near4 (sphere or spherical or valve valve valve valve valve valve valve valve valve valve valve valve valve valve valve valve valve valve valve valve v		0.4			
September Sept	-	94			2003/08/08 09:34
2557 Valve same ball same joint US-PG-UB: EPO: JPO: DERWENT US-PAT: US-PG-UB: EPO: JPO: DERWENT US-PG-UB: EPO: JPO:					
- 2557 valve same ball same joint	-	9	valve near footprint		2003/08/29 10:14
DERWENT USPAT; US-PGPUB; EPO, JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT					
USPAT; USPAT;					
- 1028 valve same ball same joint same (shaft or rod or plunger) - 1028 valve same ball same joint same (shaft or rod or plunger) - 1028 valve same ball same joint same (shaft or rod or plunger) - 1028 valve same ball same joint same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same joint same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 118 valve near4 (sphere or spherical or ball)		2557	valva sama hall same isint		0000/00/00 40 44
- 1028 valve same ball same joint same (shaft or rod or plunger) - 1028 valve same ball same joint same (shaft or rod or plunger) - 1028 valve same ball same joint same (shaft or rod or plunger) - 1028 valve same ball same joint same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same joint same (shaft or rod or plunger) - 128 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 129 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 120 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 120 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 120 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 120 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 120 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 120 valve near4 (sphere or spherical or ball) - 120 valve near4 (sphere or spherical	-	2557	valve same ball same joint		2003/08/29 10:14
- 1028 valve same ball same joint same (shaft or rod or plunger) - 1028 valve same ball same joint same (shaft or rod or plunger) - 1028 valve same ball same joint same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same joint same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 128 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 128 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 128 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 128 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 128 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 128 valve near4 (spher\$6 or ball) same (spher\$6 or ball) near5 (angle or angled or taper\$6 or plunger) - 128 valve near4 (sphere or spherical or ball) - 128 valve near4					
1028					
- 1028 valve same ball same joint same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same joint same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same joint same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 118 valve near4 (sphere or spherical or ball) - 118 valve near4 (sphere near4 (sphere near4 (sphere near4 (sphere nea	<u>-</u>	1028	valve same hall same joint same (shoft or rod or plunger)		0000/00/00 40.45
- 1028 valve same ball same joint same (shaft or rod or plunger) - 118 valve near4 (spher\$6 or ball) same joint same (shaft or rod or plunger) - 3784 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 181 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 181 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 181 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 181 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 181 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 181 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) - 24683 - 25994 (shaft or rod or plunger) near4 (sphere or spherical or ball) - 25994 (valve near4 (sphere or spherical or ball)) - 12687 - 12687 - 105 ((valve near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere) valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 24388 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 2438 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 2438 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 2438 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6] -	1020	valve same ball same joint same (shall of fod or plunger)		2003/08/29 10:15
valve same ball same joint same (shaft or rod or plunger) 118 valve near4 (spher\$6 or ball) same joint same (shaft or rod or plunger) 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) 118 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) 12003/08/29 10:16 12003/08/29 10:16 12003/08/29 10:22 12003/08/29 10:35 12003/08/29					
1028 valve same ball same joint same (shaft or rod or plunger) USPAT; US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EPO; JPO; JPO; DERWENT US-PGPUB; EPO; JPO; DERWENT US-PGPUB; EP					
118	_	1028	valve same hall same joint same (shaft or rod or plunger)		2002/09/20 10:16
Table		.020	vario samo samo joint samo (shart of fod of plunger)		2003/00/29 10.10
118					
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- 3784 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (spher\$6 or ball) near5 (angle or angled or taper\$4 or cylindrical or truncat\$5) - 24683 valve near4 (sphere or spherical or ball) (shaft or rod or plunger) near4 (sphere or spherical or ball) (salt or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((sphere or spherical or truncated) usoca usoca valve same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or pl					2003/00/23 10.22
valve near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (spher\$6 or ball) near5 (angle or angled or taper\$4 or cylindrical or truncat\$5) 24683 25994 (valve near4 (sphere or spherical or ball) (valve near4 (sphere or spherical or ball)) (valve near4 (sphere or spherical or ball)) (valve near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) (valve near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball))) same ((sphere or spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated) valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) 2003/08/29 10:37 2003/08/29 10:37 2003/08/29 10:37 2003/08/29 10:37 2003/08/29 10:37 2003/08/29 10:37 2003/08/29 10:37 2003/08/29 10:37 2003/08/29 10:37 2003/08/29 10:37 2003/08/29 10:41 USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB; EPO; JPO; DERWENT USOCR 2003/08/29 10:42 2003/08/29 10:42			(
- 181 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (spher\$6 or ball) near5 (angle or angled or taper\$4 or cylindrical or truncat\$5) - 24683 valve near4 (sphere or spherical or ball) (shaft or rod or plunger) near4 (sphere or spherical or ball) (valve near4 (sphere or spherical or ball)) (shaft or rod or plunger) near4 (sphere or spherical or ball)) (sphere or spherical or ball) (sphere or spherical or ball)) (sphere or spherical or ball) (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((sphere or spherical or ball)) same ((sphere or spherical or ball)) same ((sphere or spherical or ball)) same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (spher\$6 or					
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- 181 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (spher\$6 or ball) near5 (angle or angled or taper\$4 or cylindrical or truncat\$5) - 24683 valve near4 (sphere or spherical or ball) (shaft or rod or plunger) near4 (sphere or spherical or ball) (shaft or rod or plunger) near4 (sphere or spherical or ball) (shaft or rod or plunger) near4 (sphere or spherical or ball) (sphere or spherical or ball) (sphere or spherical or ball) (sphere or spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated) - 12687			near4 (spher\$6 or ball)		
- 181 valve near4 (spher\$6 or ball) same (shaft or rod or plunger) near4 (spher\$6 or ball) same (spher\$6 or ball) near5 (angle or angled or taper\$4 or cylindrical or truncat\$5) - 24683 valve near4 (sphere or spherical or ball) (shaft or rod or plunger) near4 (sphere or spherical or ball) (valve near4 (sphere or spherical or ball)) (valve near4 (sphere or spherical or ball)) (sphere or spherical or ball)) (sphere or spherical or ball)) (sphere or spherical or ball)) (sphere or spherical or ball)) (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball))) same ((shaft or rod or plunger) near4 (sphere or spherical or ball))) same ((shaft or rod or plunger) near4 (sphere or spherical or ball))) same ((shaft or rod or plunger) near4 (sphere or spherical or ball))) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger)					
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- 24683 - 25994 - 1982 - 1982 - 1982 - 12687 - 105 - 106 - 1					
- 24683 valve near4 (sphere or spherical or ball) - 25994 (shaft or rod or plunger) near4 (sphere or spherical or ball) - 1982 (valve near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) - 12687 (valve near4 (sphere or spherical or ball)) - 12687 (sphere or spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated) - 105 ((valve near4 (sphere or spherical or ball))) same ((shaft or rod or plunger) near4 (sphere or spherical or ball))) same ((sphere or spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated)) - 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) same (spher\$6 or ball) same (shaft or rod or plunger) - 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 105 valve same (spher\$6 or ball) same (shaft or rod or plunger)			angled or taper\$4 or cylindrical or truncat\$5)		
- 25994 (shaft or rod or plunger) near4 (sphere or spherical or ball) 1982 (valve near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) 12687 (sphere or spherical or ball)) (sphere or spherical or ball)) 105 ((valve near4 (sphere or spherical or ball)) same ((shaft or rod or tapered or cylindrical or truncated) 105 ((valve near4 (sphere or spherical or ball))) same ((sphere or spherical or ball)) same ((sphere or spherical or ball)) same ((sphere or spherical or ball)) same ((sphere or spherical or ball)) same (sphere or spherical or taper or tapered or cylindrical or truncated)) 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) 105 valve same (spher\$6 or ball) same (shaft or rod or plunger) 105 valve same (spher\$6 or ball) same (shaft or rod or plunger)		0.4000	Landan and A find a second second		
- 1982 (valve near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball)) - 12687 (sphere or spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated) - 105 ((valve near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball))) same ((sphere or spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated)) - 105 ((valve near4 (sphere or spherical or ball))) same ((sphere or spherical or ball))) same ((sphere or spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated)) - 105 ((valve near4 (sphere or spherical or ball))) same ((sphere or spherical or ball))) same ((sphere or spherical or taper or tapered or cylindrical or truncated)) - 105 ((valve near4 (sphere or spherical or ball))) same ((sphere or spherical or taper or tapered or cylindrical or truncated)) - 105 ((valve near4 (sphere or spherical or ball))) same (shaft or rod or plunger) same (spher) (sphere or spherical or taper) (sphere or spherical or taper or tapered or cylindrical or truncat\$5) - 105 (valve same (spher\$6 or ball) same (shaft or rod or plunger) (sphere or spherical or taper or tapered or cylindrical or truncat\$5) - 105 (valve same (spher\$6 or ball) same (shaft or rod or plunger) (sphere or spherical or truncat\$5) - 105 (valve same (spher\$6 or ball) same (shaft or rod or plunger) (sphere or spherical or taper or tapered or cylindrical or truncat\$5) - 105 (valve same (spher\$6 or ball) same (shaft or rod or plunger) (sphere or spherical or taper or tapered or taper or tapered or taper or tapered or taper or tapered or taper or tapered or taper or tapered or taper or tapered or taper or tapered or taper or tapered or taper or tapered or taper or tapered or taper or tapered or taper or tapered or taper or tapered or taper or tapered or taper or tapered or taper or tapered or taper or tapered or taper or tapered or taper or tapere	-				
plunger) near4 (sphere or spherical or ball)) (sphere or spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated) ((valve near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball))) same ((sphere or spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated)) 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) valve same (spher\$6 or ball) same (shaft or rod or plunger) 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) USOCR 2003/08/29 10:42 2003/08/29 10:43	-	}	(snarr or rod or plunger) near4 (sphere or spherical or ball)		
- 12687 (sphere or spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated) - 105 ((valve near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball))) same ((sphere or spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated)) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) valve same (spher\$6 or ball) same (shaft or rod or plunger) USOCR - 38036 (valve same (spher\$6 or ball) same (shaft or rod or plunger) (valve same (spher\$6 or ball) same (shaft or rod or plunger))	-	1982		USOCR	2003/08/29 10:36
tapered or cylindrical or truncated) ((valve near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball))) same ((sphere or spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated)) 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) USPAT; US-PGPUB; EPO; JPO; DERWENT US-PGPUB		12697		110005	0000/00/00 10 ==
- 105 ((valve near4 (sphere or spherical or ball)) same ((shaft or rod or plunger) near4 (sphere or spherical or ball))) same ((sphere or spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated)) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger)	-	12007		USUCK	2003/08/29 10:37
plunger) near4 (sphere or spherical or ball))) same ((sphere or spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated)) 4348	_	105		HEOCE	2002/00/20 40 67
spherical or ball) near5 (angle or angled or taper or tapered or cylindrical or truncated)) 4348	:	103	nlunder) nearly (sphere or ephorical or bally)) same ((shall or fod or	USUCK	2003/08/29 10:37
cylindrical or truncated)) valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT;			spherical or hall) near5 (angle or angled or taper or topored or		
- 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger)		1			
- 4348 (angle or angled or taper\$4 or cylindrical or truncat\$5) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger)	_	4348		HSPAT:	2003/08/20 40-44
- 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14772 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14772 (valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger)			(angle or angled or taper\$4 or cylindrical or truncat\$5)	•	2003/00/29 10.41
- 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14772 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14772 (valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 14348 valve same (spher\$6 or ball) same (shaft or rod or plunger)			S - 1 - G - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		
- 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) same (angle or angled or taper\$4 or cylindrical or truncat\$5) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$4 or cylindrical or truncat\$5) - 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger) - 4348 valve same (spher\$6 or ball) same (shaft or rod or plunger)					
(angle or angled or taper\$4 or cylindrical or truncat\$5) US-PGPUB; EPO; JPO; DERWENT USOCR 2003/08/29 10:42 14772 (valve same (spher\$6 or ball) same (shaft or rod or plunger)	-	4348	valve same (spher\$6 or ball) same (shaft or rod or plunger) same		2003/08/29 10:42
- 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) USOCR 2003/08/29 10:42 14772 (valve same (spher\$6 or ball) same (shaft or rod or plunger) USOCR 2003/08/29 10:43					
- 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) USOCR 2003/08/29 10:42 14772 (valve same (spher\$6 or ball) same (shaft or rod or plunger) USOCR 2003/08/29 10:43					
- 38036 valve same (spher\$6 or ball) same (shaft or rod or plunger) USOCR 2003/08/29 10:42 14772 (valve same (spher\$6 or ball) same (shaft or rod or plunger) USOCR 2003/08/29 10:43					
- 14772 (valve same (spher\$6 or ball) same (shaft or rod or plunger)) USOCR 2003/08/29 10:43	-				2003/08/29 10:42
same (angle or angled or taper\$4 or cylindrical or truncat\$5)	-	14772			
	L		same (angle or angled or taper\$4 or cylindrical or truncat\$5)		

	141	((valve same (spher\$6 or ball) same (shaft or rod or plunger))	USOCR	2003/08/29 10:43
		same (angle or angled or taper\$4 or cylindrical or truncat\$5)) and		
		303/\$.ccls.		
-	1	("6155642").PN.	USPAT;	2003/09/03 06:08
			US-PGPUB	
-	73	oohiro.asn.	USPAT;	2003/09/03 06:09
			US-PGPUB	
-	5	("3596982" "3698673" "3964725" "4173372" "4344594").PN.	USPAT	2003/09/03 06:08
-	5819	(oil or hydraulic) adj2 cylinder same lifting	USPAT;	2003/09/03 06:10
			US-PGPUB	
-	1167	(oil or hydraulic) adj2 cylinder same lifting same piston same (rod	USPAT;	2003/09/03 06:11
		or shaft)	US-PGPUB	·
-	7	(oil or hydraulic) adj2 cylinder same lifting same piston same (rod	USPAT;	2003/09/03 06:12
		or shaft) same stopper	US-PGPUB	
-	229	(oil or hydraulic) adj2 cylinder same lifting same piston same (rod	USPAT;	2003/09/03 06:15
		or shaft) same (link or lever)	US-PGPUB	
-	3	((oil or hydraulic) adj2 cylinder same lifting same piston same	USPAT;	2003/09/03 06:13
		(rod or shaft) same (link or lever)) and 92/\$.ccls.	US-PGPUB	
-	25	((oil or hydraulic) adj2 cylinder same lifting same piston same	USPAT;	2003/09/03 06:14
		(rod or shaft) same (link or lever)) and 254/\$.ccls.	US-PGPUB	
-	1	((oil or hydraulic) adj2 cylinder same lifting same piston same	USPAT;	2003/09/03 06:14
		(rod or shaft) same (link or lever)) and 267/\$.ccls.	US-PGPUB	
-	4	1 ((en el injuidane) daje ejimael edine inting edine piotori edine	USPAT;	2003/09/03 06:14
	1	(rod or shaft) same (link or lever)) and 188/\$.ccls.	US-PGPUB	
-	40	(oil or hydraulic) adj2 cylinder same lifting same piston same (rod	USPAT;	2004/07/14 05:51
		or shaft) same (link or lever) same (base or pedestal)	US-PGPUB	
-	47	29/898.044.ccls.	USPAT;	2003/09/03 10:40
			US-PGPUB	
-	341	29/898.044,441.1.ccls.	USPAT;	2003/09/03 11:30
			US-PGPUB	
-	132	29/898.044,441.1.ccls.	USOCR	2003/09/03 11:30

!	148	("6084493"	USPAT;	2004/04/26 06:
		"4628499"	US-PGPUB	
		"4932311"	55 / 5/ 52	
1		"6360854"	<u> </u>	
		"6513631"		
		"4907842"		
1		"5526731"		
		"5655819"		
		"4848849"		
1		"4861114"		
		"5239828"		
1				
1		"5290120"		
		"5477824"		
		"5614778"		
		"5618087"		
		"3669403"		
1		"4179164"		
		"4078385"		
-				
		"4330995"		
		"4331364"		
		"4387934"		
		"4399736"		
		"4445671"		
		"4462300"		-
		"4462571"		
		"4478390"		
		"4500074"		
		"4515042"		
		"4574654"		
		"4882976"		
		"4884492"		
		"4934248"		
		"4967643"		
		"4986727"		
		"5176017"		
		"5230134"		
		"5275086"		
		"5456137"		
		"5542315"		-
		"5687765"		
		"5692812"		
		"5789719"		
		"5860448"		
		"5915927"		
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1		"5987887"		
		"6161380"		
		"6186042"		
		"6213566"		
		"6213566"		
		"6289872").pn.		
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		"4579141"		
		"5323741"		
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		"4838722"		
		"5404898"		
		"5492145"		
		"5520367"		
		"5562016"		
		"5775470"		
		"5826753"		
		"4071038"		
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n Hictór	ry //18/04	125€0970M Page 9 \$"4369193"9.wsp \$"4316486".wsp		
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	12	(("6084493"	USPAT;	2004/04/26 06:07
	·-	"4628499"	US-PGPUB	2004/04/20 00:01
. •		"4932311"	03-FGF0B	
1		"6360854"		
		"6513631"		1
		"4907842"		
		"5526731"		
		"5655819"		1
1		"4848849"		
		"4861114"		
		"5239828"		1
		"5290120"		
		"5477824"		
		"5614778"		1
		"5618087"		1
				1
		"3669403"		
		"4179164"		
		"4078385"		
		"4330995"		
		"4331364"		1
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		"5775470"		
		"5826753"		
		"4071038"		
Coorah I II-I	7/40/04			
Search Histo	ny //18/04	投 题99个M Page 10 "4269182"		
C:VAPPS\ea	st\workspace	"17369183", wsp "4316486". wsp		
		"4346558"		
			1	

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-	48	delphi.asn. and ball near3 valve	USPAT; US-PGPUB;	2004/07/13 12:21
-	50	delphi.asn. and ball near3 valve	EPO; JPO; DERWENT USPAT;	2004/07/13 12:33
		 	US-PGPUB; EPO; JPO; DERWENT	
-	9	"1318056"	USPAT; US-PGPUB; EPO; JPO;	2004/07/13 12:42
-	6430	ball with valve with (rod or plunger)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/07/13 12:42
-	2513	ball with valve with (rod or plunger) same ball with seat	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/07/13 12:43
-	166	ball with valve with (rod or plunger) same ball with seat same ball with (truncated or cylindrical or larger adj end)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/07/13 12:45
-	. 11	ball with valve with (rod or plunger) same ball with seat same ball with (truncated or cylindrical or larger adj end or stem or pin) with (pressfit or pressfitted or pressed)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/07/13 12:46
-	0	(sphere or spherical) with valve with (rod or plunger) same ball with seat same ball with (truncated or cylindrical or larger adj end or stem or pin) with (pressfit or pressfitted or pressed)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/07/13 12:47
-	1	(sphere or spherical) with valve with (rod or plunger) same (sphere or spherical) with seat same (sphere or spherical) with (truncated or cylindrical or larger adj end or stem or pin) with	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/07/13 12:48
-	7796	(pressfit or pressfitted or pressed) (sphere or spherical or ball or ballshaped or ballshape) near5 valve with (rod or plunger or shaft)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/07/13 12:49
-	8018	(sphere or spherical or ball or ballshaped or ballshape) near5 valve with (rod or plunger or shaft or reciprocating)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/07/13 12:49
-	878	(sphere or spherical or ball or ballshaped or ballshape) near5 (middle or central or intermediate) with concav\$5	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/07/13 12:51
-	46	(sphere or spherical or ball or ballshaped or ballshape) near5 (middle or central or intermediate) with concav\$5 same valve with (sphere or spherical or ball or ballshaped or ballshape)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/07/13 12:55
-	881	(sphere or spherical or ball or ballshaped or ballshape) with concav\$5 same valve with (sphere or spherical or ball or ballshaped or ballshape)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/07/13 12:56
-	0	(sphere or spherical or ball or ballshaped or ballshape) with concav\$5 with valve same (sphere or spherical or ball or ballshaped or ballshape) with pressfit\$6	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/07/13 12:56
-	81	(sphere or spherical or ball or ballshaped or ballshape) with concav\$5 with valve same (sphere or spherical or ball or ballshaped or ballshape) near5 (rod or shaft or stem or plunger)	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/07/13 13:10
-	327	(sphere or spherical or ball or ballshaped or ballshape) with concav\$5 with valve with seat\$4	DERWENT USPAT; US-PGPUB; EPO; JPO;	2004/07/13 13:15
			DERWENT	

<u> </u>				
- 5°	6	(this is a process of panel and a panel apply that	USPAT;	2004/07/13 13:17
-		concav\$5 with valve with seat\$4 same (sphere or spherical or ball	US-PGPUB;	
,		or ballshaped or ballshape) with (fixed or fastened or attached or	EPO; JPO;	
		press adj fit\$4 or pressfit\$4 or inserted) with (rod or shaft or	DERWENT	
	29	plunger) saenz.in. and valve	LICDAT	0004/07/40 40:40
-	29	saenz.in. and vaive	USPAT;	2004/07/13 13:40
_	1	(2002016/402").PN.	US-PGPUB	2004/07/44 05:27
	•	(2002010/402).FN.	USPAT; US-PGPUB	2004/07/14 05:37
_	0	("clockspring").F[N.)	USPAT:	2004/07/14 05:39
		1 (cios cios mig): (10)	US-PGPUB	2004/07/14 03.39
-	5	(("5,656,920") or ("5,256,075") or ("4,696,523") or ("4,975,063")	USPAT;	2004/07/14 05:39
		or ("4/925,122")).PN.	US-PGPUB	2004/01/14 00.09
_	4	"10261591"	USPAT;	2004/07/14 05:51
		•	US-PGPUB;	200 1/01/11 00:01
			EPO; JPO;	
			DERWENT	
-	167	411/\$.ccls. and valve with (rod or stem or shaft)	USPAT;	2004/07/18 08:50
			US-PGPUB	
-	70	411/\$.ccls. and valve with (rod or stem or shaft) and valve.ab.	USPAT;	2004/07/18 09:00
		0704050 UDDV	US-PGPUB	
Ţ -	23	3761053.URPN.	USPAT	2004/07/18 08:56
_	5	("3049332" "1326430" "3572633" "1411904" "0632502").PN.	USPAT	2004/07/18 08:57
_	3	3572633.URPN.	USPAT	2004/07/18 08:58
	3 304	("0001979" "2088666" "2143399").PN. 411/\$.ccls. and valve with (rod or stem or shaft)	USPAT	2004/07/18 08:59
-	55	411/\$.ccls. and valve with (rod or stem or snaft) 411/\$.ccls. and valve with (rod or stem or shaft) same (ball or	USOCR	2004/07/18 09:00
_	33	sphere or spherical or barrel or barrelshaped)	USOCR	2004/07/18 09:02
_	3	valve with (rod or stem or shaft) same (rivet adj shap\$4 or	USPAT:	2004/07/49 00:05
		rivetshap\$4)	US-PGPUB;	2004/07/18 09:05
		The solidate of the solidate o	EPO; JPO;	
			DERWENT	
-	11023	valve with (rod or stem or shaft) with (ballshaped or ball or	USPAT;	2004/07/18 09:06
		spherical)	US-PGPUB:	200 1/01/10 00:00
			EPO; JPO;	
			DERWENT	
-	27	valve with (rod or stem or shaft) with (ballshaped or ball or	USPAT;	2004/07/18 09:10
		spherical) same (middle or central or intermediate) near4 (ring or	US-PGPUB;	
		groove) with (ballshaped or ball or spherical)	EPO; JPO;	
			DERWENT	
-	0	valve with (rod or stem or shaft) with (ballshaped or ball or	USPAT;	2004/07/18 09:10
		spherical) same (middle or central or intermediate) near4 (indent	US-PGPUB;	
		or indentatation or furrow) with (ballshaped or ball or spherical)	EPO; JPO;	
_	110	valve with (rod or stem or shaft) with (ballshaped or ball or	DERWENT	2004/07/40 00:40
	115	spherical) same ends! with (groove or recess or ring or indent or	USPAT; US-PGPUB;	2004/07/18 09:13
-		indentatation or furrow) with (ballshaped or ball or spherical)	EPO; JPO;	
		the second of th	DERWENT	
-	539	(251/86).CCLS.	USPAT;	2004/07/18 09:14
			US-PGPUB	
-	78	251/86.ccls. and (ball or ballshaped or sphere or sphercial) with	USPAT;	2004/07/18 09:20
		valve	US-PGPUB	
-	97	251/86.ccls. and (ball or ballshaped or sphere or sphercial) with	USOCR	2004/07/18 09:53
	_	valve		
-	2	barbell\$4 near5 valve with (rod or shaft or stem)	USPAT;	2004/07/18 09:20
		0044400 UDBN	US-PGPUB	
-	3	3341169.URPN.	USPAT	2004/07/18 09:33
_	6	3326513.URPN.	USPAT	2004/07/18 09:46
1]	1 75	2147332.URPN.	USPAT	2004/07/18 09:52
1	13	251/333-334.ccls. and (ball or ballshaped or sphere or sphercial) with valve	USOCR	2004/07/18 09:53
_	66	251/333-334.ccls. and (ball or ballshaped or sphere or sphercial)	HODAT.	2004/07/40 40 40
	"	with valve	USPAT;	2004/07/18 10:16
-	3	4811868.URPN.	US-PGPUB	2004/07/49 00:55
-	8	("2867356" "2985342" "3055560" "3073489" "4135648"	USPAT USPAT	2004/07/18 09:55
		"4427137" "4577784" "4597512").PN.	USEMI	2004/07/18 09:55
-	8	("2867356" "2985342" "3055560" "3073489" "4135648"	USPAT	2004/07/18 09:57
		"4427137" "4577784" "4597512").PN.	30.711	_007/01/10 03.01
0		12:16:05 PM Page 12		

	0	1974296.URPN.	USPAT	2004/07/18 10:03
*	957	251/357.ccls.	USPAT;	2004/07/18 10:18
			US-PGPUB	
-	4	3213524.URPN.	USPAT	2004/07/18 10:45
-	17	((ball or rounded adj face or partially adj round\$3 or spherical or	USPAT;	2004/07/18 11:15
		truncated near2 sphere or spheroidal) with valve same (mount or	US-PGPUB	
1		rod or stem or pin or shaft) same valve) with (pressfit\$4 or		
		pushfit\$ or push adj fit\$5 or press adj fit\$4) near5 (ball or		1
		rounded adj face or partially adj round\$3 or spherical or truncated		
	24	near2 sphere or spheroidal)		
-	31	valve with (pressfit\$4 or pushfit\$ or push adj fit\$5 or press adj	USPAT;	2004/07/18 11:25
		fit\$4) near5 (ball or rounded adj face or partially adj round\$3 or	US-PGPUB;	
		spherical or truncated near2 sphere or spheroidal) with (mount or rod or stem or pin or shaft)	EPO; JPO;	
		Tod of Stelli of pili of strait)	DERWENT;	
1_	8	("3865140" "4624282" "4961444" "5346176" "5364067"	IBM_TDB	0004/07/40 44 47
		"5439279" "5681097" "5778918").PN.	USPAT	2004/07/18 11:17
_	39	(ball or rounded adj face or partially adj round\$3 or spherical or	LICDAT.	0004/07/40 44 40
	33	truncated near2 sphere or spheroidal) with (mount or rod or stem	USPAT;	2004/07/18 11:46
		or pin or shaft) and 137/15.18,454.2.ccls.	US-PGPUB;	
		or pin or sharty and 137/13.10,434.2.ccis.	EPO; JPO;	
			DERWENT; IBM TDB	
_	35	(ball or rounded adj face or partially adj round\$3 or spherical or	USOCR	2004/07/18 11:21
		truncated near2 sphere or spheroidal) with (mount or rod or stem	USUCK	2004/07/10 11:21
		or pin or shaft) and 137/15.18,454.2.ccls.		
-	29	(ball or rounded adj face or partially adj round\$3 or spherical or	USOCR	2004/07/18 11:22
		truncated near2 sphere or spheroidal) with (mount or rod or stem	DOOGIN	2004/07/10 11.22
		or pin or shaft) and 137/357-368.ccls.		
-	29	(ball or rounded adj face or partially adj round\$3 or spherical or	USPAT;	2004/07/18 11:24
		truncated near2 sphere or spheroidal) with (mount or rod or stem	US-PGPUB	
		or pin or shaft) and 137/357-368.ccls.		
-	5148	(ball or rounded adj face or partially adj round\$3 or spherical or	USPAT;	2004/07/18 11:25
		truncated near2 sphere or spheroidal) with (mount or rod or stem	US-PGPUB	
	0.474	or pin or shaft) and (137/\$.ccls. or 251/\$.ccls.)		
-	3471	(ball or rounded adj face or partially adj round\$3 or spherical or	USPAT;	2004/07/18 11:26
		truncated near2 sphere or spheroidal) with (mount or rod or stem	US-PGPUB	
	E2	or pin or shaft) with valve and (137/\$.ccls. or 251/\$.ccls.)		
-	52	(ball or rounded adj face or partially adj round\$3 or spherical or	USPAT;	2004/07/18 11:29
		truncated near2 sphere or spheroidal) with (mount or rod or stem or pin or shaft) with valve same (pressfit\$4 or pushfit\$ or push adj	US-PGPUB	
		fit\$5 or press adj fit\$4) and (137/\$.ccls. or 251/\$.ccls.)		
_	40	(ball or rounded adj face or partially adj round\$3 or spherical or	LICDAT.	0004/07/40 44 00
		truncated near2 sphere or spheroidal) with (mount or rod or stem	USPAT; US-PGPUB	2004/07/18 11:32
		or pin or shaft) with valve same (deformable or deformably or	US-FGFUB	
		pressfit\$4 or pushfit\$ or push adj fit\$5 or press adj fit\$4) with		
		(ball or rounded adj face or partially adj round\$3 or spherical or		
i		truncated near2 sphere or spheroidal)and (137/\$.ccls. or		
]		251/\$.ccls.)		
-	139	(ball or rounded adj face or partially adj round\$3 or spherical or	USPAT;	2004/07/18 11:33
		truncated near2 sphere or spheroidal) same (mount or rod or	US-PGPUB	
		stem or pin or shaft) same valve same (deformable or deformably		
		or pressfit\$4 or pushfit\$ or push adj fit\$5 or press adj fit\$4) same		
		(ball or rounded adj face or partially adj round\$3 or spherical or		
		truncated near2 sphere or spheroidal)and (137/\$.ccls. or		
		251/\$.ccls.)		
-	4896	(ball or rounded adj face or partially adj round or spherical or	USOCR	2004/07/18 11:35
		truncated near2 sphere or spheroidal) same (mount or rod or		
		stem or pin or shaft) same valve same (deformable or deformably		
		or pressfit or pressfitted or pushfit or push fitted or press fitting or		
		push adj fit or press adj fit) same (ball or rounded adj face or		
		spherical or truncated near2 sphere or spheroidal)and		
_	4896	(137/\$.ccls. or 251/\$.ccls.) (ball or rounded adj face or partially adj round or spherical or	110000	0004/07/10
	7030	truncated near2 sphere or spheroidal) same (mount or rod or	USOCR	2004/07/18 11:36
		stem or pin or shaft) same valve same (deformable or deformably		
		or pressfit or pressfitted or pushfit or push fitted or press fitting or		
	j	push adj fit or press adj fit) and (137/\$.ccls. or 251/\$.ccls.)		
	- l	7: Ε		

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- %	4891	(ball or spherical or truncated near2 sphere or spheroidal) same	USOCR	2004/07/18 11:37
ب		(mount or rod or stem or pin or shaft) same valve same	1	
		(deformable or deformably or pressfit or pressfitted or pushfit or		
		push fitted or press fitting or push adj fit or press adj fit) and		
	700	(137/\$.ccls. or 251/\$.ccls.)		
-	738	(and a spiritual of manipulate induit opinion of opinionally	USOCR	2004/07/18 11:37
		near5 (deformable or deformably or pressfit or pressfitted or		
		pushfit or push fitted or press fitting or push adj fit or press adj		
		fit)same (mount or rod or stem or pin or shaft) same valve and		
		(137/\$.ccls. or 251/\$.ccls.)		
-	429	(ball or spherical or truncated near2 sphere or spheroidal)	USOCR	2004/07/18 11:38
		near5 (deformable or deformably or pressfit or pressfitted or		
İ		pushfit or push fitted or press fitting or push adj fit or press adj fit)		
		same (mount or rod or stem or pin or shaft) near5 valve and		
		(137/\$.ccls. or 251/\$.ccls.)		
-	178	(ball or round or spherical or truncated near2 sphere or	USPAT;	2004/07/18 11:48
		spheroidal) near5 valve with (mount or rod or stem or pin or	US-PGPUB;	
		shaft) same (pressed or pushfit\$4 or fit adj into or pressfit\$4 or	EPO; JPO;	
		press adj fit\$5) near3 (ball or round or spherical or truncated	DERWENT;	
	1	near2 sphere or spheroidal)	IBM TDB	
-	136	(ball or round or spherical or truncated near2 sphere or	USPAT;	2004/07/18 11:48
	İ	spheroidal) near5 valve with (mount or plunger or rod or stem or	US-PGPUB;	
		pin or shaft) same (pressed or pushfit\$4 or fit adj into or	EPO; JPO;	
		pressfit\$4 or press adj fit\$5) near3 (ball or round or spherical or	DERWENT;	
		truncated near2 sphere or spheroidal)with (rod or shaft or stem or	IBM TDB	
		plunger)	_	
-	136	(ball or round or spherical or truncated near2 sphere or	USPAT;	2004/07/18 11:54
		spheroidal) near5 valve with (mount or plunger or rod or stem or	US-PGPUB:	
		pin or shaft) same (pressed or pushfit\$4 or fit adj into or	EPO; JPO;	
1		pressfit\$4 or press adj fit\$5) near3 (ball or round or spherical or	DERWENT:	
		truncated near2 sphere or spheroidal) with (rod or shaft or stem	IBM_TDB	
		or plunger)		